

Welcome

Addressing skills shortages as we move towards a highly skills-based economy of the future

LEARNING VAULT

Nicholas Robert Alderdice - CEO, Learning Vault

Based in Australia and the UK, Learning Vault develops technology solutions that actively support education providers, governments, and enterprises across the world in facilitating the acquisition, curation, and portability of verifiable skills throughout an individual's lifetime.

Through industry leading education content, digital credentials, and talent pool technology, Learning Vault has created an interoperable, tech-powered ecosystem connecting education to employment, making skills more accessible, portable, and applicable through three key product pillars - Education Vault, Credential Vault, and Talent Vault.



Sally-Ann Browner, Senior Manager at the Institute of Applied Technology

With over seven years of experience in intensive technology education I am now running the NSW Institute of Applied Technology -Digital (IAT), a collaboration between TAFE, universities, and industry to deliver future-focused skills training.

My core competencies include envisioning innovative education solutions and bringing them to life, cutting through the BS to get to the heart of a problem and inspiring other people to work hard to solve the same problem. I love linking industry and education, equipping students with relevant skills, and empowering teachers with technology.

There's a great need for more agency for learners, educators, and employers to collect, manage and verify skills as we work towards a skills-based economy.

Solution 1 - Micro-credential strategies

Vision for IAT-D

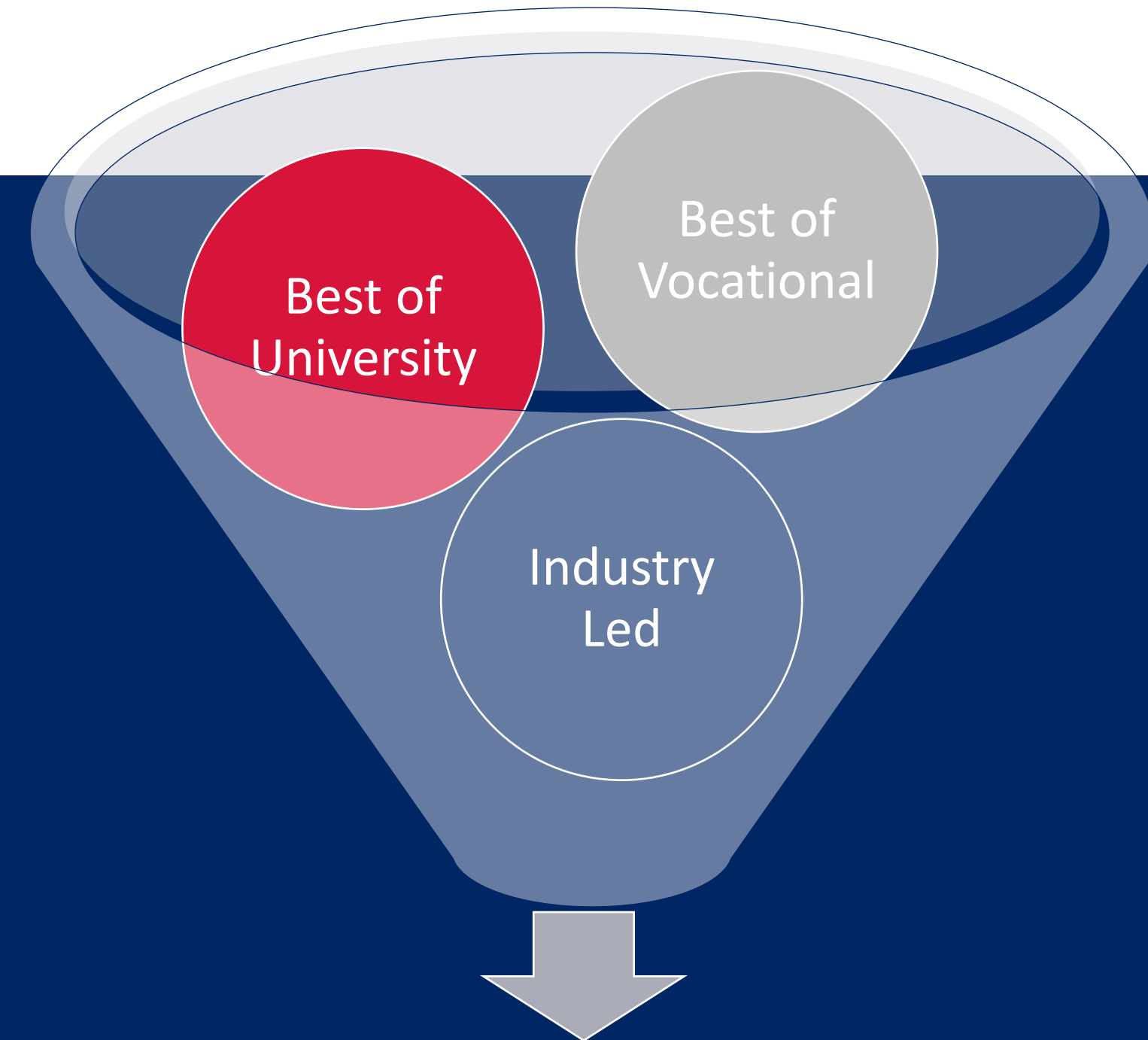
Our why

The IAT-D is a new tertiary education offering from the NSW Government. The IAT partners with leading institutions and industry to fully integrate theoretical and practical learning.

Our vision

The IAT-D partners with industry to bring the latest thinking and trends to lifelong learning. Its blended approach empowers students through flexible pathways and credible outcomes, strengthening capability and furthering careers

Institute of
Applied Technology
Digital



Targeted & efficient training
that fills the skills gaps

IAT Digital Partners & Collaboration Model

Foundation Partners



Industry Partners



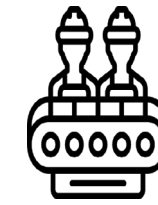
In Discussions & Professional associations



Co-innovate
Future Focused Curriculum
Learning Research
Cutting edge delivery



Co-deliver
Master Classes
Academy Programs
Intern and Traineeships



Co-design
Course Co-development
TAFE NSW Microskills
Work Integrated Learning



Co-locate
Mixed Reality Labs
Certification Centres
Industry Learning Space

Microskills

Are a taster and are available in each of our discipline areas.

No assessment requirement.

They are short - roughly 2 - 5 hours online to introduce students to a new skill.

Certificate of completion.



Microcredentials

In-depth courses designed to upskill students in a specific discipline.

Requires successful completion of an assessment.

Delivered online or face to face with an educator, over an 8-week period with one guest speaker.

Microcredential Badge and Certificate on completion

Stackability to TAFE NSW and University Qualifications

Data

Cyber Security

Cloud Computing

Artificial Intelligence

Software

Foundation Level

Understanding Data Analytics

Data Security and Information Privacy

Security Management Leadership

Cloud Computing
Foundations

Machine Learning Algorithms

Software Programming
and Data Modelling

Intermediate
Level

Data Visualisation Foundations

Cyber Security Threat and Risk Management

Basic for Identity Management

Advanced Cloud Computing

Machine Learning
Foundations

Software Quality Assurance
and Testing (TBC)

Data Engineering
Foundations

Cyber Breach Simulation & Cyber Crisis
Management

Cyber Security Architecture

Application of AI for Cyber Security

Deep Learning Foundations

Python for Data Analytics

Cyber Governance
& Cyber Planning

Cyber Security: Legal Obligations & Compliance

Penetration Testing, Ethical Hacking &
Offensive Security

Introduction To Natural
Language Processing

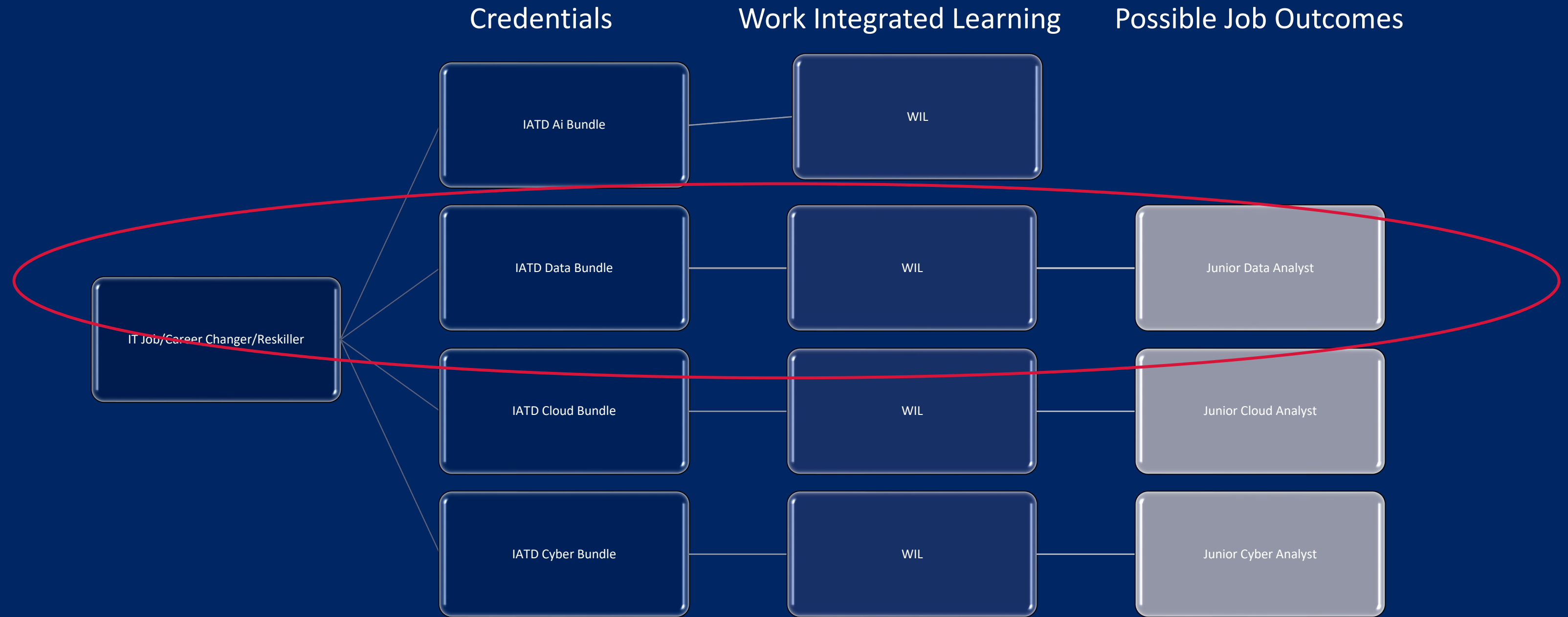
Applied Machine Learning

System and Network Attacks Simulation

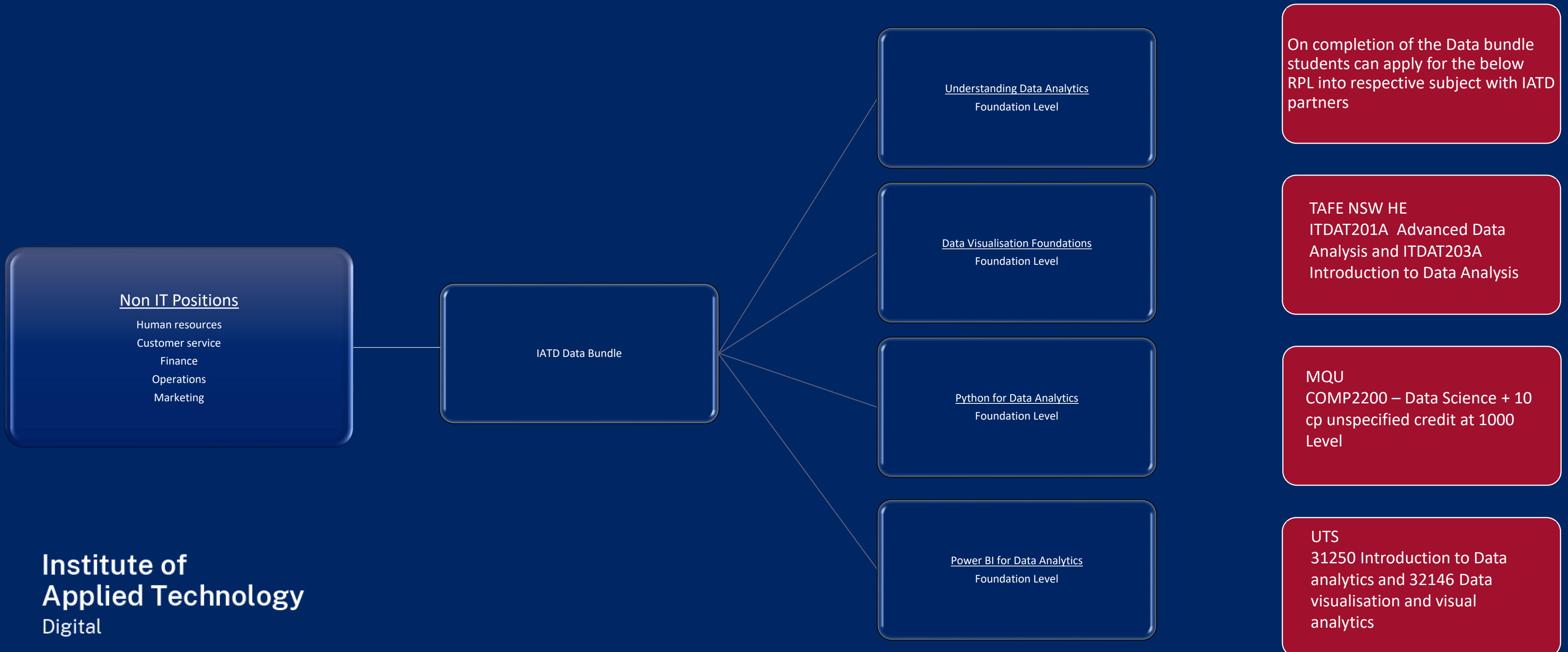
Cloud Security

Impact AI on Society

Potential Pathways into Roles



Data Bundle Option



Solution 2 – Digital Credentials



Digital Badge = Icon visualising the data

Digital Credential = Badge and Meta data

- CREDENTIAL NAME
- ISSUER
- COURSE DESCRIPTION
- COURSE CRITERIA
- STANDARDS
- SCORE
- EVIDENCE
- ENDORSEMENTS
- ISSUANCE & EXPIRY
- OPEN RICH SKILL DESCRIPTORS
- TAGS

Solution 2 - Digital Credentials – Example TAFE NSW

LEARNING VAULT

ISSUED TO:
Sam Williams

DATE OF ISSUE:
27 February 2022

This course covers overarching ethics, laws and policies to consider during the life cycle of AI systems, that are needed to build trust in any AI process. You do not require any prior programming or computer science experience for this Microskill.

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Institute of Applied Technology Digital

POWERED BY:
TAFEI, MACQUARIE University, UTS, Microsoft

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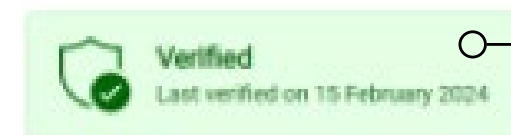
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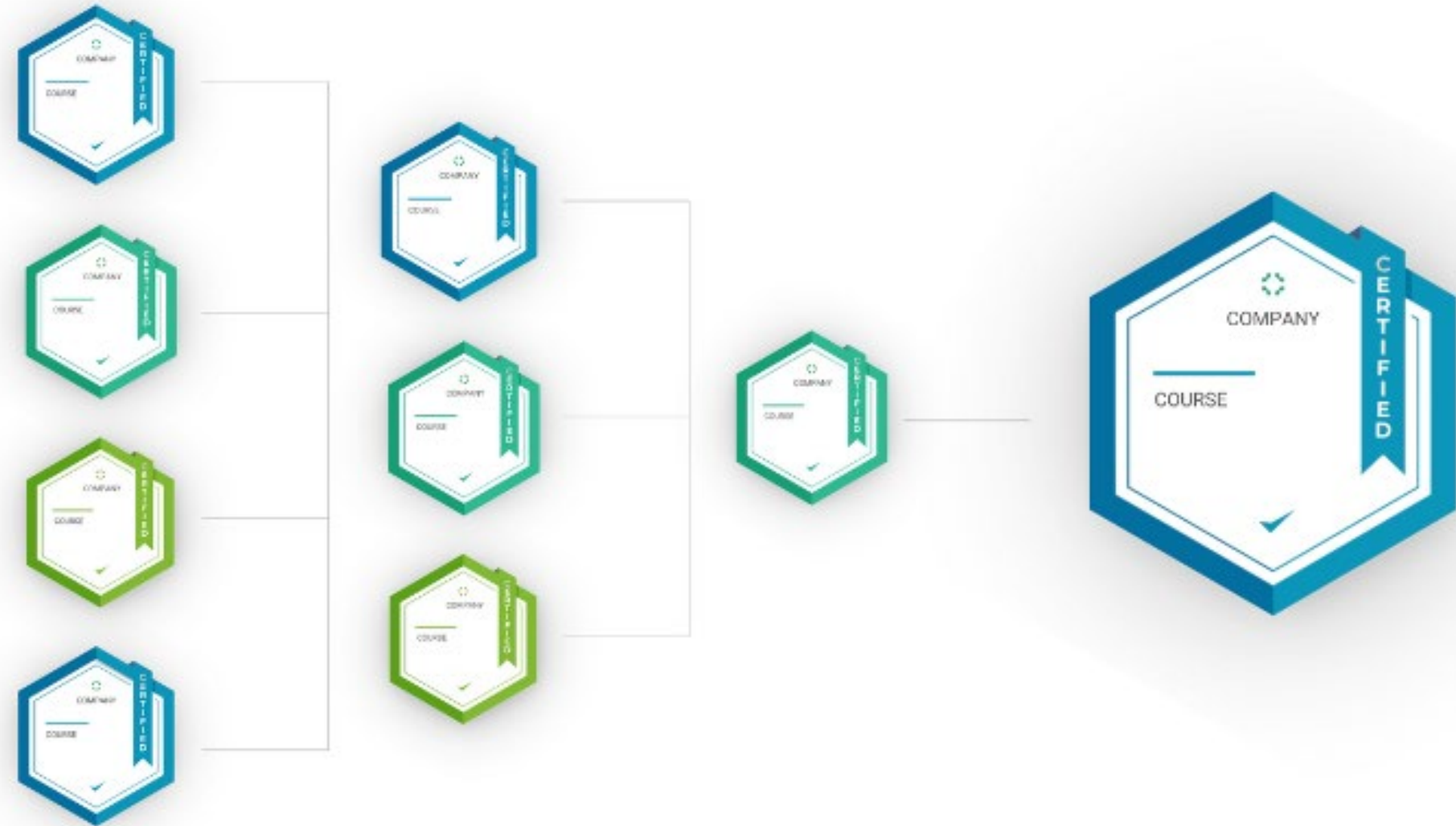


Open Rich Skills Descriptors
- Mapping skills against global library of
Skill descriptors



Pathways

- Mapping Educational & Career journeys
against a certain goal

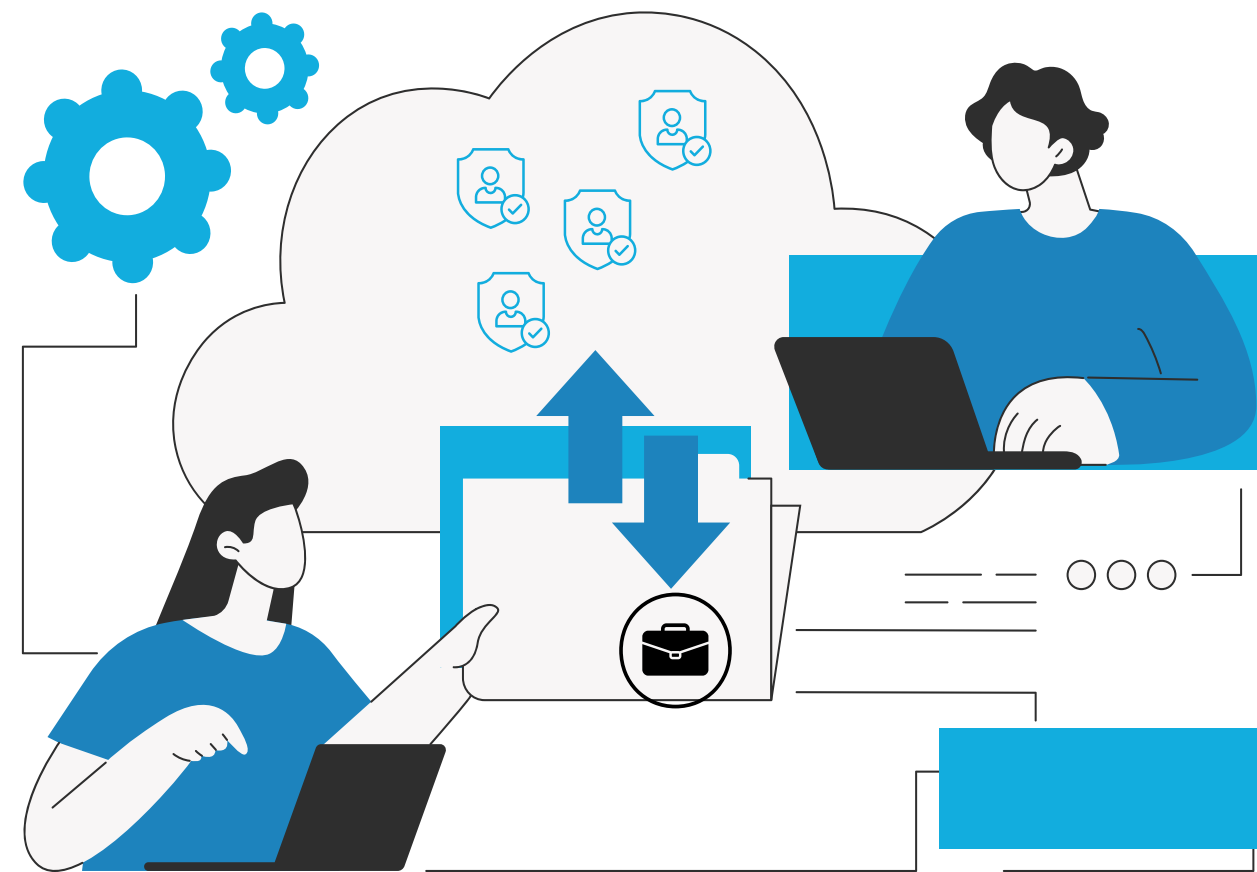


Digital Skills Wallet –
Collect, Manage, Share Digital Credentials



Solution 3 - Connection to Employment

Plugging credentials into recruitment environments; sharing them with employers





**LEARNING
VAULT**

Thank you for joining.

To find out more about the impacts of digital credentials or to book a FREE demo, scan here.



For more information on the Institute of Applied Technology - Digital, scan here.



<https://www.learningvault.com/>

<https://www.tafensw.edu.au/iat>